

1 can be also used in this case. In other words, the video signal includes the same special mark
2 **100** that is displayed on the television monitor, informing viewers that information on the
3 programs is being transmitted and can be saved using the SP button **101** that has the same
4 special mark. If a viewer pushes the SP button **101**, the response of the television can be the
5 same as that of EMBODIMENT 3.

6 What is claimed is:

7 1. A method for transmitting and capturing information of a future program whose
8 preview is currently being broadcast between regular programs comprising:

9 a television;

10 a remote control;

11 a preview for a future program;

12 program information for said future program;

13 sending means that transmits said program information, comprising closed caption text;

14 indicating means for indicating that said program information is being transmitted,
15 comprising a special mark displayed on said television;

16 saving means for directing said television to save said program information in case that
17 a viewer chooses to watch, comprising a saving button on said remote control;

18 reviewing means that displays a list of chosen programs, comprising a reviewing
19 button on said remote control;

20 alerting means that alerts viewers to a chosen program when it is about to be
21 broadcast;and

22 updating means that changes operations that is to be operated on said chosen programs.

23 2. The method in accordance with claim 1 wherein said program information comprises a
24 local time of a television station that is broadcasting said preview, a title of said future
25 program, a broadcasting date of said future program, a broadcasting time of said future

1 program, a channel number of said future program, description of said future program,
2 and duration of said future program.

3 3. The method in accordance with claim 1 wherein said alerting means comprises audio
4 signal which alerts viewers aurally, video signal which alerts viewers visually,
5 automatic turn-on means which turns on said television automatically when it is turned
6 off, and automatic turn-off means which turns off said television in case that there is no
7 pushing activity of said remote control for a certain duration of time after said television
8 is automatically turned on.

9 4. The method in accordance with claim 1 wherein said updating means comprises
10 selecting means which selects a program from said chosen programs comprising
11 volume up and down buttons on said remote control, periodic watching toggling means
12 which toggles a periodic watching option for a program of said chosen programs
13 comprising a recalling button on said remote control, and deleting means which delete a
14 program from said chosen programs comprising a delete button on said remote control.

15 5. A method for transmitting and capturing information of a future program whose
16 preview is currently being broadcast between regular programs comprising:

17 a television;

18 a remote control;

19 a preview for a future program;

20 program information for said future program;

21 sending means that transmits said program information, comprising closed caption text;

22 indicating means for indicating that said program information is being transmitted,

23 comprising a special mark displayed on said television;

24 saving means for directing said television to save said program information in case that

25 a viewer chooses to watch, comprising a saving button on said remote control;

1 reviewing means that displays a list of chosen programs, comprising a reviewing
2 button on said remote control;
3 alerting means that alerts viewers to a chosen program when it is about to be broadcast;
4 updating means that changes operations that is to be operated on said chosen
5 programs;and
6 recording means.

7 6. The method in accordance with claim 5 wherein said program information comprises a
8 local time of a television station that is broadcasting said preview, a title of said future
9 program, a broadcasting date of said future program, a broadcasting time of said future
10 program, a channel number of said future program, description of said future program,
11 and duration of said future program.

12 7. The method in accordance with claim 5 wherein said alerting means comprises audio
13 signal which alerts viewers aurally, video signal which alerts viewers visually,
14 automatic turn-on means which turns on said television automatically when it is turned
15 off, and automatic turn-off means which turns off said television in case that there is no
16 pushing activity of said remote control for a certain duration of time after said television
17 is automatically turned on.

18 8. The method in accordance with claim 5 wherein said updating means comprises
19 selecting means which selects a program from said chosen programs comprising
20 volume up and down buttons on said remote control, deleting means which delete a
21 program from said chosen programs comprising a deleting button on said remote
22 control, periodic watching toggling means which toggles a periodic watching option for
23 a program of said chosen programs comprising a recalling button on said remote
24 control, and recording toggling means which toggles a recording option for a program
25 of said chosen programs comprising an entering button on said remote control.

1 9. The method in accordance with claim 5 wherein said recording means comprises video
2 and audio codec, control units and a hard drive.

3 10. A method for transmitting and capturing information of a future program which is
4 currently being advertised while another program is being broadcast comprising:

5 a television;

6 a remote control;

7 textual advertisement for a future program, which is currently being displayed on said
8 television while another program is being broadcast;

9 program information for said future program;

10 sending means that transmits said program information, comprising closed caption text;

11 indicating means for indicating that said program information is being transmitted,

12 comprising a special mark displayed on said television;

13 saving means for directing said television to save said program information in case that
14 a viewer chooses to watch, comprising a saving button on said remote control;

15 reviewing means that displays a list of chosen programs, comprising a reviewing
16 button on said remote control;

17 alerting means that alerts viewers to a chosen program when it is about to be
18 broadcast;and

19 updating means that changes operations that is to be operated on said chosen programs.

20 11. The method in accordance with claim 10 wherein said textual advertisement comprises a
21 title of said future program, a broadcasting time of said future program, and a brief
22 description of said future program.

23 12. The method in accordance with claim 10 wherein said program information comprises a
24 local time of a television station that is broadcasting said textual advertisement, a title of
25 said future program, a broadcasting date of said future program, a broadcasting time of

1 said future program, a channel number of said future program, description of said
2 future program, and duration of said future program.

3 13. The method in accordance with claim 10 wherein said alerting means comprises audio
4 signal which alerts viewers aurally, video signal which alerts viewers visually,
5 automatic turn-on means which turns on said television automatically when it is turned
6 off, and automatic turn-off means which turns off said television in case that there is no
7 pushing activity of said remote control for a certain duration of time after said television
8 is automatically turned on.

9 14. The method in accordance with claim 10 wherein said updating means comprises
10 selecting means which selects a program from said chosen programs comprising
11 volume up and down buttons on said remote control, periodic watching toggling means
12 which toggles a periodic watching option for a program of said chosen programs
13 comprising a recalling button on said remote control, and deleting means which delete a
14 program from said chosen programs comprising a delete button on said remote control.

15 15. A method for transmitting and capturing information of a plurality of future programs
16 which are currently being advertised while another program is being broadcast
17 comprising:

18 a television;

19 a remote control;

20 textual advertisement for a plurality of future programs, which is currently being
21 displayed on said television while another program is being broadcast;

22 program information for said future programs;

23 sending means that transmits said program information, comprising closed caption text;

24 indicating means for indicating that said program information is being transmitted,

25 comprising a special mark displayed on said television;

1 saving means for directing said television to save said program information of some of
2 said future programs that a viewer chooses to watch;
3 reviewing means that displays a list of chosen programs, comprising a reviewing
4 button on said remote control;
5 alerting means that alerts viewers to a chosen program when it is about to be broadcast;
6 updating means that changes operations that is to be operated on said chosen
7 programs;and
8 recording means.

9 16. The method in accordance with claim 15 wherein said textual advertisement comprises
10 titles of said future programs and broadcasting times of said future programs.

11 17. The method in accordance with claim 15 wherein said program information comprises a
12 local time of a television station that is broadcasting said textual advertisement, titles of
13 said future programs, broadcasting dates of said future programs, broadcasting times of
14 said future programs, channel numbers of said future programs, description of said
15 future programs, and duration of said future programs.

16 18. The method in accordance with claim 15 wherein said saving means comprises a saving
17 button on said remote control which activates selection mode, numerical buttons to
18 select a program from said future programs when said selection mode is activated, and
19 an exit button to exit said selection mode.

20 19. The method in accordance with claim 15 wherein said alerting means comprises audio
21 signal which alerts viewers aurally, video signal which alerts viewers visually,
22 automatic turn-on means which turns on said television automatically when it is turned
23 off, and automatic turn-off means which turns off said television in case that there is no
24 pushing activity of said remote control for a certain duration of time after said television
25 is automatically turned on.

1 20. The method in accordance with claim 15 wherein said updating means comprises
2 selecting means which selects a program from said chosen programs comprising
3 volume up and down buttons on said remote control, deleting means which delete a
4 program from said chosen programs comprising a deleting button on said remote
5 control, periodic watching toggling means which toggles a periodic watching option for
6 a program of said chosen programs comprising a recalling button on said remote
7 control, and recording toggling means which toggles a recording option for a program
8 of said chosen programs comprising an entering button on said remote control.

9 21. The method in accordance with claim 15 wherein said recording means comprises video
10 and audio codec, control units and a hard drive.

11 22. A method for transmitting and capturing information of a plurality of future programs
12 which are currently being advertised comprising:

13 a television;

14 a remote control;

15 textual advertisement for a plurality of future programs, which is currently being
16 broadcast on said television;

17 program information for said future programs;

18 sending means that transmits said program information, comprising closed caption text;

19 indicating means for indicating that said program information is being transmitted,
20 comprising a special mark displayed on said television;

21 saving means for directing said television to save said program information of some of
22 said future programs that a viewer chooses to watch;

23 reviewing means that displays a list of chosen programs, comprising a reviewing
24 button on said remote control;

25 alerting means that alerts viewers to a chosen program when it is about to be broadcast;

1 updating means that changes operations that is to be operated on said chosen
2 programs;and
3 recording means.

4 23. The method in accordance with claim 22 wherein said textual advertisement comprises
5 titles of said future programs and broadcasting times of said future programs.

6 24. The method in accordance with claim 22 wherein said program information comprises a
7 local time of a television station that is broadcasting said textual advertisement, titles of
8 said future programs, broadcasting dates of said future programs, broadcasting times of
9 said future programs, channel numbers of said future programs, description of said
10 future programs, and duration of said future programs.

11 25. The method in accordance with claim 22 wherein said saving means comprises a saving
12 button on said remote control which activates selection mode, numerical buttons to
13 select a program from said future programs when said selection mode is activated, and
14 an exit button to exit said selection mode.

15 26. The method in accordance with claim 22 wherein said alerting means comprises audio
16 signal which alerts viewers aurally, video signal which alerts viewers visually,
17 automatic turn-on means which turns on said television automatically when it is turned
18 off, and automatic turn-off means which turns off said television in case that there is no
19 pushing activity of said remote control for a certain duration of time after said television
20 is automatically turned on.

21 27. The method in accordance with claim 22 wherein said updating means comprises
22 selecting means which selects a program from said chosen programs comprising
23 volume up and down buttons on said remote control, deleting means which delete a
24 program from said chosen programs comprising a deleting button on said remote

1 control, periodic watching toggling means which toggles a periodic watching option for
2 a program of said chosen programs comprising a recalling button on said remote
3 control, and recording toggling means which toggles a recording option for a program
4 of said chosen programs comprising an entering button on said remote control.

5 28. The method in accordance with claim 22 wherein said recording means comprises video
6 and audio codec, control units and a hard drive.



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